



CERTIFICATE OF ANALYSIS N° PAN-10705

COMPANY : Triton Energy of Panama, Corp.
CLIENT ADDRESS : Calle Elvira Mendez, Ed. Vallarino, Piso No. 3, Panama, Panama
ATTENTION OF : Hector Centella

REFERENCE NO. : TANK TRANSFER
TANK : 3
DESCRIPTION : Composite After Inbound
SAMPLE LABEL/ID : 0183-2020
LOCATION : Telfer Tanks Inc - Panama
PRODUCT : ULSD

MOVEMENT : Inbound
SAMPLING DATE : 29-Feb-2020 05:30
RECEIVED DATE : 29-Feb-2020 11:00
TESTED DATE : 29-Feb-2020
REPORT DATE : 29-Feb-2020
DRAWN BY : Camin Cargo

Method	Description of Test	Result / Unit	Minimum	Maximum	Remarks
NOTE : Lote: 0220LD004. Volumen: 41,974.18BBls netos.					
D 4052-11	API Gravity @ 60°F	37.1 °API	32.0		Pass
D 4176 (1)	Appearance	Clear & Bright		Clear & Bright	Pass
D 1500	ASTM Color	L1.0		2.5	Pass
D 93A	Flash Point	73.0 °C	60		Pass
D 97	Pour Point	<-21 °C			
D 445	Viscosity @ 40 °C	2.975 cSt	1.9	4.1	Pass
D 86-12	Distillation				
	10%	220.0 °C		Report	
	50%	276.0 °C			
	90%	331.0 °C	282	338	Pass
	Final Boiling Point (End Point)	356.0 °C		Report	
	Residue	0.5 Vol. %		2	Pass
	Loss	0.5 Vol. %		2	Pass
D 976	Cetane Index	52.6	45		Pass
D 2622	Sulfur	8.7 mg/kg		15	Pass
D 2622	Sulfur	0.0008 Wt. %			
D 482	Ash	0.001 Mass %		0.01	Pass
D 4530	Carbon Residue, Micro Carbon on 10% Bott.	<0.10 Mass %		0.3	Pass
D 130	Copper Corrosion @ 50 °C (3 hrs)	1a		2	Pass
D 2624	Electrical Conductivity	60 pS/m	25		Pass
EN 14078-A	Fatty Acid Methyl Esters (FAME)	<0.05 Vol. %		0.1	Pass
D 6079	Lubricity - HFRR				
	Wear Scar Diameter @ 60° C	410 microns		520	Pass



CERTIFICATE OF ANALYSIS N° PAN-10705

COMPANY : Triton Energy of Panama, Corp.
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ATTENTION OF : Hector Centella

REFERENCE NO. : TANK TRANSFER
TANK : 3
DESCRIPTION : Composite After Inbound
SAMPLE LABEL/ID : 0183-2020
LOCATION : Telfer Tanks Inc - Panama
PRODUCT : ULSD

MOVEMENT : Inbound
SAMPLING DATE : 29-Feb-2020 05:30
RECEIVED DATE : 29-Feb-2020 11:00
TESTED DATE : 29-Feb-2020
REPORT DATE : 29-Feb-2020
DRAWN BY : Camin Cargo

Method	Description of Test	Result / Unit	Minimum	Maximum	Remarks
NOTE : Lote: 0220LD004. Volumen: 41,974.18BBls netos.					
D 2709	Sediment & Water	<0.010 Vol. %		0.05	Pass

The results apply to the samples as received and specifically to the items listed on this certificate.

Certified that this sample meets the relevant specification with respect to the above tests as noted.

The Pass/Fail as expressed within this document, represents the decision rule applied within client's limits request, these are deemed as pass if the value falls within the limits and as fail if the value falls outside the limits.

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Samples taken as per Standard Practice for Manual Sampling of Petroleum and Petroleum Products (ASTM D4057 / API MPMS Chapter 8.1)

All testing is performed on premises by Camin Cargo Control and in accordance to the latest referenced test method unless specifically stated.

Boris Zorrilla / Laboratory Manager



Attention of : Ms. R. Rodriguez

Analysis Report

Report number : 13201/00028434.1/L/20 Composite prep date : 2020-03-05
Main Object : GREAT CRISTOBAL Place of sampling : Puerto Internacional Punta Rincon
Report Date : 2020-03-06 Date received : 2020-03-05
Date of issue : 2020-03-06 Date completed : 2020-03-06
Sample object : 9002 Sample number : 9583448
Sample type : Composite
Sample submitted as : ULSD
Marked : Shore tank 9002 - single tank composite after discharge

NAME	METHOD	UNIT	SPECS		RESULT
			Min	Max	
Gravity API at 60 °F Q	ASTM D 4052	°API	32.0		37.1
Free Water and Particulate Contamination (lab test)	ASTM D 4176				
Clear and Bright (procedure 1)		-		B&C	B & C
Test Temperature		°C			25.0
Color ASTM Q	ASTM D 1500	-		2.5	0.5
Water and Sediment Q	ASTM D 2709	vol %		0.05	< 0.01
Flash point (PM) procedure A Q	ASTM D 93	°C	60		69.0
Sulphur (S) Q	ASTM D 5453	mg/kg		15	6.4
Ash Content Q	ASTM D 482	mass %		0.01	< 0.001
Micro Carbon Residue (10% bottom) Q	ASTM D 4530 / D 86	mass %		0.30	< 0.10
Copper Strip Corrosion (3 hrs / 50 °C) Q	ASTM D 130	-		2	1a
Kinematic Viscosity at 40°C Q	ASTM D 445	mm²/s	1.9	4.1	3.017
Cetane Index Q	ASTM D 976	-	45		52.3
Distillation Q	ASTM D 86				
10% Recovered		°C		Report	218.5
50% Recovered		°C		Report	274.5
90% Recovered		°C	282	338	330.0
Final boiling point		°C		Report	353.5
Residue		vol %		2	1.6
Loss		vol %		2	0.7
Lubricity Test at 60 °C (Wear Scar Diameter) Q *	ASTM D 6079	µm		520	380
Conductivity at 25°C Q	ASTM D 2624	pS/m	25		28

All results in this report refer to the sample(s) tested as taken or submitted like specified in this Analysis report. Uncertainties, available on request, apply in the evaluation of the test results. All tests are conducted according to the latest version of the methods, unless another version is specifically indicated. Where available and for convenience purposes, the tested sample has been checked for compliance with supplied specifications, without accepting any liability. In case of dispute or concern, we refer to the interpretation of test results as defined in ASTM D3244, IP 367, ISO 4259 or GOST 33701. This report shall not be partially copied and reproduced without the written permission of the laboratory.

PETROLERA NACIONAL S.A.
Plaza Marbella, Piso 7
Panama
Panama



Attention of : Ms. R. Rodriguez

Analysis Report

Report number : 13201/00028434.1/L/20 Composite prep date : 2020-03-05
Main Object : GREAT CRISTOBAL Place of sampling : Puerto Internacional Punta Rincon
Report Date : 2020-03-06 Date received : 2020-03-05
Date of issue : 2020-03-06 Date completed : 2020-03-06
Sample object : 9002 Sample number : 9583448
Sample type : Composite
Sample submitted as : ULSD
Marked : Shore tank 9002 - single tank composite after discharge

NAME	METHOD	UNIT	SPECS		RESULT
			Min	Max	
Biodiesel	ASTM D 7371	vol %		0.1	< 0.100

* Analysis results are submitted by a third party laboratory.

Lab comments:
Q: CNA Accreditation LE-002 is applicable for tests followed with a Q

Signed by: Everner Jimenez - Laboratory Manager/Assistant Mgr
Issued by: Core Laboratories Panama, S.A.
Place and date of issue: Panama City - 2020-03-06

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Attention of : Ms. R. Rodriguez

Analysis Report

Report number : 13201/00028434.1/L/20 Composite prep date : 2020-03-05
Main Object : GREAT CRISTOBAL Place of sampling : Puerto Internacional Punta Rincon
Report Date : 2020-03-06 Date received : 2020-03-05
Date of issue : 2020-03-06 Date completed : 2020-03-06
Sample object : 9002 Sample number : 9583448
Sample type : Composite
Sample submitted as : ULSD
Marked : Shore tank 9002 - single tank composite after discharge

NAME	METHOD	UNIT	SPECS		RESULT
			Min	Max	
Gravity API at 60 °F Q	ASTM D 4052	°API	32.0		37.1
Free Water and Particulate Contamination (lab test)	ASTM D 4176				
Clear and Bright (procedure 1)		-		B&C	B & C
Test Temperature		°C			25.0
Color ASTM Q	ASTM D 1500	-		2.5	0.5
Water and Sediment Q	ASTM D 2709	vol %		0.05	< 0.01
Flash point (PM) procedure A Q	ASTM D 93	°C	60		69.0
Sulphur (S) Q	ASTM D 5453	mg/kg		15	6.4
Ash Content Q	ASTM D 482	mass %		0.01	< 0.001
Micro Carbon Residue (10% bottom) Q	ASTM D 4530 / D 86	mass %		0.30	< 0.10
Copper Strip Corrosion (3 hrs / 50 °C) Q	ASTM D 130	-		2	1a
Kinematic Viscosity at 40°C Q	ASTM D 445	mm²/s	1.9	4.1	3.017
Cetane Index Q	ASTM D 976	-	45		52.3
Distillation Q	ASTM D 86				
10% Recovered		°C		Report	218.5
50% Recovered		°C		Report	274.5
90% Recovered		°C	282	338	330.0
Final boiling point		°C		Report	353.5
Residue		vol %		2	1.6
Loss		vol %		2	0.7
Lubricity Test at 60 °C (Wear Scar Diameter) Q *	ASTM D 6079	µm		520	380
Conductivity at 25°C Q	ASTM D 2624	pS/m	25		28

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PETROLERA NACIONAL S.A.
Plaza Marbella, Piso 7
Panama
Panama



Attention of : Ms. R. Rodriguez

Analysis Report

Report number : 13201/00028434.1/L/20 Composite prep date : 2020-03-05
Main Object : GREAT CRISTOBAL Place of sampling : Puerto Internacional Punta Rincon
Report Date : 2020-03-06 Date received : 2020-03-05
Date of issue : 2020-03-06 Date completed : 2020-03-06
Sample object : 9002 Sample number : 9583448
Sample type : Composite
Sample submitted as : ULSD
Marked : Shore tank 9002 - single tank composite after discharge

NAME	METHOD	UNIT	SPECS		RESULT
			Min	Max	
Biodiesel	ASTM D 7371	vol %		0.1	< 0.100

* Analysis results are submitted by a third party laboratory.

Lab comments:
Q: CNA Accreditation LE-002 is applicable for tests followed with a Q

Signed by: Everner Jimenez - Laboratory Manager/Assistant Mgr
Issued by: Core Laboratories Panama, S.A.
Place and date of issue: Panama City - 2020-03-06

All results in this report refer to the sample(s) tested as taken or submitted like specified in this Analysis report. Uncertainties, available on request, apply in the evaluation of the test results. All tests are conducted according to the latest version of the methods, unless another version is specifically indicated. Where available and for convenience purposes, the tested sample has been checked for compliance with supplied specifications, without accepting any liability. In case of dispute or concern, we refer to the interpretation of test results as defined in ASTM D3244, IP 367, ISO 4259 or GOST 33701. This report shall not be partially copied and reproduced without the written permission of the laboratory.



CERTIFICATE OF ANALYSIS N° PAN-11095

COMPANY : Triton Energy of Panama, Corp.
CLIENT ADDRESS : Calle Elvira Mendez, Ed. Vallarino, Piso No. 3, Panama, Panama
ATTENTION OF : Hector Centella

REFERENCE NO. : COPANIT S15
TANK : 4
DESCRIPTION : Composite After Transfer
SAMPLE LABEL/ID : 0630-2020
LOCATION : Telfer Tanks Inc - Panama
PRODUCT : ULSD

MOVEMENT : Transfer
SAMPLING DATE : 18-Jun-2020 00:30
RECEIVED DATE : 18-Jun-2020 07:30
TESTED DATE : 18-Jun-2020
REPORT DATE : 22-Jun-2020
DRAWN BY : Camin Cargo

Method	Description of Test	Result / Unit	Minimum	Maximum	Remarks
D 4052-11	API Gravity @ 60°F	37.8 °API	32.0		Pass
D 4052	Density @ 15°C	835.2 Kg/m3			
D 4176 (1)	Appearance	Clear & Bright		Clear & Bright	Pass
D 1500	ASTM Color	L1.0		2.5	Pass
D 93A	Flash Point	65.0 °C	60		Pass
D 445	Viscosity @ 40 °C	2.573 cSt	1.9	4.1	Pass
D 86-12	Distillation of Petroleum Products				
	10%	204.4 °C		Report	
	50%	264.4 °C			
	90%	336.4 °C	282	338	Pass
	Final Boiling Point (End Point)	361.3 °C		Report	
	Residue	1.6 Vol. %		2	Pass
	Loss	1.4 Vol. %		2	Pass
D 976	Cetane Index	51.5	45		Pass
D 2622	Sulfur	9.3 mg/kg		15	Pass
D 482	Ash	<0.001 Mass %		0.01	Pass
D 4530	Carbon Residue, Micro Carbon on 10% Bott.	<0.10 Mass %		0.3	Pass
D 2709	Sediment & Water	<0.010 Vol. %		0.05	Pass
D 130	Copper Corrosion @ 50 °C (3 hrs)	1a		2	Pass
D 2624	Electrical Conductivity	75 pS/m	25		Pass
EN 14078-A	Fatty Acid Methyl Esters (FAME)	<0.05 Vol. %		0.1	Pass
D 6079	Lubricity - HFRR				
	Wear Scar Diameter @ 60° C	390 microns		520	Pass

The results apply to the samples as received and specifically to the items listed on this certificate.
Certified that this sample meets the relevant specification with respect to the above tests as noted.

Lote: 0620LDO01.

Api: 37.8

Volumen: 23,117.05 Bbls netos

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Samples taken as per Standard Practice for Manual Sampling of Petroleum and Petroleum Products (ASTM D4057 / API MPMS Chapter 8.1)

All testing is performed on premises by Camin Cargo Control and in accordance to the latest referenced test method unless specifically stated.

Boris Zorrilla / Laboratory Manager

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BUILDING PLAZA OBARRIO
STREET SAMUEL LEWIS
FLOOR NO. 2, OFFICE NO. 109
PANAMA
Panama



Attention of : Mr. H. Centella

Analysis Report

Report number : 13201/00029283.2/L/20 Composite prep date : 2020-07-25
Main Object : OCEAN LAUREL Place of sampling : Telfer Tank Terminal
Report Date : 2020-07-26 Date received : 2020-07-25
Date of issue : 2020-07-26 Date completed : 2020-07-26
Sample object : 6 Sample number : 10228689
Sample type : Composite
Sample submitted as : ULSD
Marked : Shore tank 6 single tank composite - after discharge
Lote: 0720LDO02.Volumen: 91,685.66 bbls netos API: 35.4

NAME	METHOD	UNIT	SPECS		RESULT
			Min	Max	
Gravity API at 60 °F Q	ASTM D 4052	°API	32.0		35.4
Density at 15 °C	ASTM D 4052	kg/m³			847.5
Free Water and Particulate Contamination (lab test)	ASTM D 4176				
Clear and Bright (procedure 1)		-		B&C	B & C
Test Temperature		°C			26.0
Color ASTM Q	ASTM D 1500	-		2.5	< 1.5
Water and Sediment Q	ASTM D 2709	vol %		0.05	<0.01
Flash point (PM) procedure A Q	ASTM D 93	°C	60		62.0
Sulphur (S) Q	ASTM D 5453	mg/kg		15	7.2
Ash Content Q	ASTM D 482	mass %		0.01	<0.001
Carbon Residue Conradson (10% bot.)	ASTM D 189 / D 86	mass %		0.30	<0.10
Kinematic Viscosity at 40°C Q	ASTM D 445	mm²/s	1.9	4.1	3.028
Cetane Index Q	ASTM D 976	-	45		47.9
Distillation Q	ASTM D 86				
10% Recovered		°C		Report	207.2
50% Recovered		°C		Report	266.9
90% Recovered		°C	282	338	335.1
Final boiling point		°C		Report	358.6
Residue		vol %		2	1.6
Loss		vol %		2	1.6
Lubricity Test at 60 °C (Wear Scar Diameter) Q *	ASTM D 6079	µm		520	380
Conductivity at 25°C Q	ASTM D 2624	pS/m	25		67
Biodiesel	ASTM D 7371	vol %		0.1	<0.10

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PANAMA
Panama



Attention of : Mr. H. Centella

Analysis Report

Report number : 13201/00029283.2/L/20 Composite prep date : 2020-07-25
Main Object : OCEAN LAUREL Place of sampling : Telfer Tank Terminal
Report Date : 2020-07-26 Date received : 2020-07-25
Date of issue : 2020-07-26 Date completed : 2020-07-26
Sample object : 6 Sample number : 10228689
Sample type : Composite
Sample submitted as : ULSD
Marked : Shore tank 6 single tank composite - after discharge
Lote: 0720LDO02.Volumen: 91,685.66 bbls netos API: 35.4

NAME	METHOD	UNIT	SPECS		RESULT
			Min	Max	
Pour Point	ASTM D 97	°C			< -24

** Analysis results are submitted by a third party laboratory. Saybolt was not present whilst the analysis was carried out, and has signed for receipt only with no liability accepted.*

Lab comments:

Q: CNA Accreditation LE-002 is applicable for tests followed with a Q

Signed by: Everner Jimenez - Laboratory Manager/Assistant Mgr
Issued by: Core Laboratories Panama, S.A.
Place and date of issue: Panama City - 2020-07-26

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Attention of : Mr. H. Centella

Analysis Report

Report number : 13201/00029283.2/L/20 Composite prep date : 2020-07-25
Main Object : OCEAN LAUREL Place of sampling : Telfer Tank Terminal
Report Date : 2020-07-26 Date received : 2020-07-25
Date of issue : 2020-07-26 Date completed : 2020-07-26
Sample object : 6 Sample number : 10228689
Sample type : Composite
Sample submitted as : ULSD
Marked : Shore tank 6 single tank composite - after discharge
Lote: 0720LDO02.Volumen: 91,685.66 bbls netos API: 35.4

NAME	METHOD	UNIT	SPECS		RESULT
			Min	Max	
Gravity API at 60 °F Q	ASTM D 4052	°API	32.0		35.4
Density at 15 °C	ASTM D 4052	kg/m³			847.5
Free Water and Particulate Contamination (lab test)	ASTM D 4176				
Clear and Bright (procedure 1)		-		B&C	B & C
Test Temperature		°C			26.0
Color ASTM Q	ASTM D 1500	-		2.5	< 1.5
Water and Sediment Q	ASTM D 2709	vol %		0.05	<0.01
Flash point (PM) procedure A Q	ASTM D 93	°C	60		62.0
Sulphur (S) Q	ASTM D 5453	mg/kg		15	7.2
Ash Content Q	ASTM D 482	mass %		0.01	<0.001
Carbon Residue Conradson (10% bot.)	ASTM D 189 / D 86	mass %		0.30	<0.10
Kinematic Viscosity at 40°C Q	ASTM D 445	mm²/s	1.9	4.1	3.028
Cetane Index Q	ASTM D 976	-	45		47.9
Distillation Q	ASTM D 86				
10% Recovered		°C		Report	207.2
50% Recovered		°C		Report	266.9
90% Recovered		°C	282	338	335.1
Final boiling point		°C		Report	358.6
Residue		vol %		2	1.6
Loss		vol %		2	1.6
Lubricity Test at 60 °C (Wear Scar Diameter) Q *	ASTM D 6079	µm		520	380
Conductivity at 25°C Q	ASTM D 2624	pS/m	25		67
Biodiesel	ASTM D 7371	vol %		0.1	<0.10

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Panama



Attention of : Mr. H. Centella

Analysis Report

Report number : 13201/00029283.2/L/20 Composite prep date : 2020-07-25
Main Object : OCEAN LAUREL Place of sampling : Telfer Tank Terminal
Report Date : 2020-07-26 Date received : 2020-07-25
Date of issue : 2020-07-26 Date completed : 2020-07-26
Sample object : 6 Sample number : 10228689
Sample type : Composite
Sample submitted as : ULSD
Marked : Shore tank 6 single tank composite - after discharge
Lote: 0720LDO02.Volumen: 91,685.66 bbls netos API: 35.4

NAME	METHOD	UNIT	SPECS		RESULT
			Min	Max	
Pour Point	ASTM D 97	°C			< -24

** Analysis results are submitted by a third party laboratory. Saybolt was not present whilst the analysis was carried out, and has signed for receipt only with no liability accepted.*

Lab comments:

Q: CNA Accreditation LE-002 is applicable for tests followed with a Q

Signed by: Everner Jimenez - Laboratory Manager/Assistant Mgr
Issued by: Core Laboratories Panama, S.A.
Place and date of issue: Panama City - 2020-07-26

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PANAMA
Panama



Attention of : Mr. H. Centella

Analysis Report

Report number	: 13201/00029283.2/L/20	Composite prep date	: 2020-07-25
Main Object	: TANK 6	Place of sampling	: Telfer Tank Terminal
Report Date	: 2020-07-26	Date received	: 2020-07-25
Date of issue	: 2020-07-26	Date completed	: 2020-07-26
Sample object	: 6	Sample number	: 10228689
Sample type	: Composite		
Sample submitted as	: ULSD		

NAME	METHOD	UNIT	SPECS		RESULT
			Min	Max	
Gravity API at 60 °F Q	ASTM D 4052	°API	32.0		35.4
Density at 15 °C	ASTM D 4052	kg/m³			847.5
Free Water and Particulate Contamination (lab test)	ASTM D 4176				
Clear and Bright (procedure 1)		-		B&C	B & C
Test Temperature		°C			26.0
Color ASTM Q	ASTM D 1500	-		2.5	< 1.5
Water and Sediment Q	ASTM D 2709	vol %		0.05	<0.01
Flash point (PM) procedure A Q	ASTM D 93	°C	60		62.0
Sulphur (S) Q	ASTM D 5453	mg/kg		15	7.2
Ash Content Q	ASTM D 482	mass %		0.01	<0.001
Carbon Residue Conradson (10% bot.)	ASTM D 189 / D 86	mass %		0.30	<0.10
Kinematic Viscosity at 40°C Q	ASTM D 445	mm²/s	1.9	4.1	3.028
Cetane Index Q	ASTM D 976	-	45		47.9
Distillation Q	ASTM D 86				
10% Recovered		°C		Report	207.2
50% Recovered		°C		Report	266.9
90% Recovered		°C	282	338	335.1
Final boiling point		°C		Report	358.6
Residue		vol %		2	1.6
Loss		vol %		2	1.6
Lubricity Test at 60 °C (Wear Scar Diameter) Q *	ASTM D 6079	µm		520	380
Conductivity at 25°C Q	ASTM D 2624	pS/m	25		67
Biodiesel	ASTM D 7371	vol %		0.1	<0.10

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TRITON ENERGY OF PANAMA CORP
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FLOOR NO. 2, OFFICE NO. 109
PANAMA
Panama



Attention of : Mr. H. Centella

Analysis Report

Report number	: 13201/00029283.2/L/20	Composite prep date	: 2020-07-25
Main Object	: TANK 6	Place of sampling	: Telfer Tank Terminal
Report Date	: 2020-07-26	Date received	: 2020-07-25
Date of issue	: 2020-07-26	Date completed	: 2020-07-26
Sample object	: 6	Sample number	: 10228689
Sample type	: Composite		
Sample submitted as	: ULSD		

NAME	METHOD	UNIT	SPECS		RESULT
			Min	Max	
Pour Point	ASTM D 97	°C			< -24

* Analysis results are submitted by a third party laboratory.

Lab comments:
Q: CNA Accreditation LE-002 is applicable for tests followed with a Q

Lote: 0720LDO02 Volumen: 91,685.66 bbls netos API: 35.4

Signed by: Everner Jimenez - Laboratory Manager/Assistant
Mgr
Issued by: Core Laboratories Panama, S.A.
Place and date of issue: Panama City - 2020-07-26

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Attention of : Mr. H. Centella

Analysis Report

Report number	: 13201/00029168.8/L/20	Composite prep date	: 2020-07-03
Main Object	: TANK 7	Place of sampling	: Telfer Tank Terminal
Report Date	: 2020-08-19	Date received	: 2020-07-04
Date of issue	: 2020-08-19	Date completed	: 2020-07-09
Sample object	: 7	Sample number	: 10136999
Sample type	: Composite		
Sample submitted as	: ULSD		

NAME	METHOD	UNIT	SPECS		RESULT
			Min	Max	
Gravity API at 60 °F Q	ASTM D 4052	°API	32.0		34.6
Free Water and Particulate Contamination (lab test)	ASTM D 4176				
Clear and Bright (procedure 1)		-		B&C	B & c
Test Temperature		°C			26
Color ASTM Q	ASTM D 1500	-		2.5	< 1.5
Water and Sediment Q	ASTM D 2709	vol %		0.05	0
Flash point (PM) procedure A Q	ASTM D 93	°C	60		62.0
Sulphur (S) Q	ASTM D 5453	mg/kg		15	6.6
Ash Content Q	ASTM D 482	mass %		0.01	< 0.001
Micro Carbon Residue (10% bottom) Q	ASTM D 4530 / D 86	mass %		0.30	< 0.10
Copper Strip Corrosion (3 hrs / 50 °C) Q	ASTM D 130	-		2	1a
Kinematic Viscosity at 40°C Q	ASTM D 445	mm²/s	1.9	4.1	2.964
Cetane Index Q	ASTM D 976	-	45		47.6
Distillation Q	ASTM D 86				
10% Recovered		°C		Report	212.9
50% Recovered		°C		Report	270.7
90% Recovered		°C	282	338	336.3
Final boiling point		°C		Report	363.8
Residue		vol %		2	1.4
Loss		vol %		2	0.5
Lubricity Test at 60 °C (Wear Scar Diameter) Q *	ASTM D 6079	µm		520	380
Conductivity at 25°C Q	ASTM D 2624	pS/m	25		250

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Attention of : Mr. H. Centella

Analysis Report

Report number	: 13201/00029168.8/L/20	Composite prep date	: 2020-07-03
Main Object	: TANK 7	Place of sampling	: Telfer Tank Terminal
Report Date	: 2020-08-19	Date received	: 2020-07-04
Date of issue	: 2020-08-19	Date completed	: 2020-07-09
Sample object	: 7	Sample number	: 10136999
Sample type	: Composite		
Sample submitted as	: ULSD		

NAME	METHOD	UNIT	SPECS		RESULT
			Min	Max	
Biodiesel	ASTM D 7371	vol %		0.1	< 0.10

* Analysis results are submitted by a third party laboratory.

Lab comments:
Q: CNA Accreditation LE-002 is applicable for tests followed with a Q

Lote: 0820LDO01. Volumen: 195,732.90 bbls netos API: 34.6

Signed by: Everner Jimenez - Laboratory Manager/Assistant Mgr
Issued by: Core Laboratories Panama, S.A.
Place and date of issue: Panama City - 2020-08-19

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Attention of : Mr. H. Centella

Analysis Report

Report number	: 13201/00029168.8/L/20	Composite prep date	: 2020-07-03
Main Object	: TANK 7	Place of sampling	: Telfer Tank Terminal
Report Date	: 2020-08-19	Date received	: 2020-07-04
Date of issue	: 2020-08-19	Date completed	: 2020-07-09
Sample object	: 7	Sample number	: 10136999
Sample type	: Composite		
Sample submitted as	: ULSD		

NAME	METHOD	UNIT	SPECS		RESULT
			Min	Max	
Gravity API at 60 °F Q	ASTM D 4052	°API	32.0		34.6
Free Water and Particulate Contamination (lab test)	ASTM D 4176				
Clear and Bright (procedure 1)		-		B&C	B & c
Test Temperature		°C			26
Color ASTM Q	ASTM D 1500	-		2.5	< 1.5
Water and Sediment Q	ASTM D 2709	vol %		0.05	0
Flash point (PM) procedure A Q	ASTM D 93	°C	60		62.0
Sulphur (S) Q	ASTM D 5453	mg/kg		15	6.6
Ash Content Q	ASTM D 482	mass %		0.01	< 0.001
Micro Carbon Residue (10% bottom) Q	ASTM D 4530 / D 86	mass %		0.30	< 0.10
Copper Strip Corrosion (3 hrs / 50 °C) Q	ASTM D 130	-		2	1a
Kinematic Viscosity at 40°C Q	ASTM D 445	mm²/s	1.9	4.1	2.964
Cetane Index Q	ASTM D 976	-	45		47.6
Distillation Q	ASTM D 86				
10% Recovered		°C		Report	212.9
50% Recovered		°C		Report	270.7
90% Recovered		°C	282	338	336.3
Final boiling point		°C		Report	363.8
Residue		vol %		2	1.4
Loss		vol %		2	0.5
Lubricity Test at 60 °C (Wear Scar Diameter) Q *	ASTM D 6079	µm		520	380
Conductivity at 25°C Q	ASTM D 2624	pS/m	25		250

All results in this report refer to the sample(s) tested as taken or submitted like specified in this Analysis report. Uncertainties, available on request, apply in the evaluation of the test results. All tests are conducted according to the latest version of the methods, unless another version is specifically indicated. Where available and for convenience purposes, the tested sample has been checked for compliance with supplied specifications, without accepting any liability. In case of dispute or concern, we refer to the interpretation of test results as defined in ASTM D3244, IP 367, ISO 4259 or GOST 33701. This report shall not be partially copied and reproduced without the written permission of the laboratory.

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Attention of : Mr. H. Centella

Analysis Report

Report number	: 13201/00029168.8/L/20	Composite prep date	: 2020-07-03
Main Object	: TANK 7	Place of sampling	: Telfer Tank Terminal
Report Date	: 2020-08-19	Date received	: 2020-07-04
Date of issue	: 2020-08-19	Date completed	: 2020-07-09
Sample object	: 7	Sample number	: 10136999
Sample type	: Composite		
Sample submitted as	: ULSD		

NAME	METHOD	UNIT	SPECS		RESULT
			Min	Max	
Biodiesel	ASTM D 7371	vol %		0.1	< 0.10

* Analysis results are submitted by a third party laboratory.

Lab comments:
Q: CNA Accreditation LE-002 is applicable for tests followed with a Q

Lote: 0820LDO01. Volumen: 195,732.90 bbls netos API: 34.6

Signed by: Everner Jimenez - Laboratory Manager/Assistant Mgr
Issued by: Core Laboratories Panama, S.A.
Place and date of issue: Panama City - 2020-08-19

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Attention of : Mr. H. Centella

Analysis Report

Report number : 13201/00029558.6/L/20 Date of sampling : 2020-09-06
Main Object : SHORE TANK 7 Place of sampling : Telfer Tank Terminal

Report Date : 2020-09-08 Date received : 2020-09-06
Date of issue : 2020-09-08 Date completed : 2020-09-08
Sample object : 7 Sample number : 10484398
Sample type : Composite
Sample submitted as : ULSD

NAME	METHOD	UNIT	SPECS		RESULT
			Min	Max	
Gravity API at 60 °F	Q ASTM D 4052	°API	32.0		37.0
Density at 15 °C	Q ASTM D 4052	kg/m³			839.2
Free Water and Particulate Contamination (lab test)	Q ASTM D 4176				
Clear and Bright (procedure 1)		-		B&C	B & C
Test Temperature		°C			26.0
Color ASTM	Q ASTM D 1500	-		2.5	<1.0
Water and Sediment	Q ASTM D 2709	vol %		0.05	< 0.01
Flash point (PM) procedure A	Q ASTM D 93	°C	60		62.0
Ash Content	Q ASTM D 482	mass %		0.01	< 0.010
Carbon Residue Conradson (10% bot.)	Q ASTM D 189 / D 86	mass %		0.30	< 0.10
Copper Strip Corrosion (3 hrs / 50 °C)	Q ASTM D 130	-		2	1a
Sulphur (S)	Q ASTM D 4294	mg/kg		15	10
Kinematic Viscosity at 40°C	Q ASTM D 445	mm²/s	1.9	4.1	2.583
Cetane Index	Q ASTM D 976	-	45		49.6
Distillation	Q ASTM D 86				
10% Recovered		°C		Report	200.9
50% Recovered		°C		Report	262.2
90% Recovered		°C	282	338	332.3
Final boiling point		°C		Report	358.7
Residue		vol %		2	1.7
Loss		vol %		2	1.0
Lubricity Test at 60 °C (Wear Scar Diameter) *	Q ASTM D 6079	µm		520	350
Conductivity at 25°C	Q ASTM D 2624	pS/m	25		213

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Attention of : Mr. H. Centella

Analysis Report

Report number : 13201/00029558.6/L/20 Date of sampling : 2020-09-06
Main Object : SHORE TANK 7 Place of sampling : Telfer Tank Terminal

Report Date : 2020-09-08 Date received : 2020-09-06
Date of issue : 2020-09-08 Date completed : 2020-09-08
Sample object : 7 Sample number : 10484398
Sample type : Composite
Sample submitted as : ULSD

NAME	METHOD	UNIT	SPECS		RESULT
			Min	Max	
Biodiesel	Q ASTM D 7371	vol %		0.1	< 0.1

* Analysis results are submitted by a third party laboratory.

Test comments:
Sulphur (S) (ASTM D 4294): reported below method detection limit

Lab comments:
Lote: 0920LDO01 Volumen: 195,578.12 bbls netos API: 37.0

Signed by: Everner Jimenez - Laboratory Manager/Assistant Mgr
Issued by: Core Laboratories Panama, S.A.
Place and date of issue: Panama City - 2020-09-08

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Attention of : Mr. H. Centella

Analysis Report

Report number : 13201/00029558.6/L/20 Date of sampling : 2020-09-06
Main Object : SHORE TANK 7 Place of sampling : Telfer Tank Terminal

Report Date : 2020-09-08 Date received : 2020-09-06
Date of issue : 2020-09-08 Date completed : 2020-09-08
Sample object : 7 Sample number : 10484398
Sample type : Composite
Sample submitted as : ULSD

NAME	METHOD	UNIT	SPECS		RESULT
			Min	Max	
Gravity API at 60 °F	Q ASTM D 4052	°API	32.0		37.0
Density at 15 °C	Q ASTM D 4052	kg/m³			839.2
Free Water and Particulate Contamination (lab test)	Q ASTM D 4176				
Clear and Bright (procedure 1)		-		B&C	B & C
Test Temperature		°C			26.0
Color ASTM	Q ASTM D 1500	-		2.5	<1.0
Water and Sediment	Q ASTM D 2709	vol %		0.05	< 0.01
Flash point (PM) procedure A	Q ASTM D 93	°C	60		62.0
Ash Content	Q ASTM D 482	mass %		0.01	< 0.010
Carbon Residue Conradson (10% bot.)	Q ASTM D 189 / D 86	mass %		0.30	< 0.10
Copper Strip Corrosion (3 hrs / 50 °C)	Q ASTM D 130	-		2	1a
Sulphur (S)	Q ASTM D 4294	mg/kg		15	10
Kinematic Viscosity at 40°C	Q ASTM D 445	mm²/s	1.9	4.1	2.583
Cetane Index	Q ASTM D 976	-	45		49.6
Distillation	Q ASTM D 86				
10% Recovered		°C		Report	200.9
50% Recovered		°C		Report	262.2
90% Recovered		°C	282	338	332.3
Final boiling point		°C		Report	358.7
Residue		vol %		2	1.7
Loss		vol %		2	1.0
Lubricity Test at 60 °C (Wear Scar Diameter) *	Q ASTM D 6079	µm		520	350
Conductivity at 25°C	Q ASTM D 2624	pS/m	25		213

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Attention of : Mr. H. Centella

Analysis Report

Report number : 13201/00029558.6/L/20 Date of sampling : 2020-09-06
Main Object : SHORE TANK 7 Place of sampling : Telfer Tank Terminal

Report Date : 2020-09-08 Date received : 2020-09-06
Date of issue : 2020-09-08 Date completed : 2020-09-08
Sample object : 7 Sample number : 10484398
Sample type : Composite
Sample submitted as : ULSD

NAME	METHOD	UNIT	SPECS		RESULT
			Min	Max	
Biodiesel	Q ASTM D 7371	vol %		0.1	< 0.1

* Analysis results are submitted by a third party laboratory.

Test comments:
Sulphur (S) (ASTM D 4294): reported below method detection limit

Lab comments:
Lote: 0920LDO01 Volumen: 195,578.12 bbls netos API: 37.0

Signed by: Everner Jimenez - Laboratory Manager/Assistant Mgr
Issued by: Core Laboratories Panama, S.A.
Place and date of issue: Panama City - 2020-09-08

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CERTIFICADO DE ANÁLISIS N° PAN-10705

COMPAÑÍA : Triton Energy of Panama, Corp.

DIRECCIÓN DEL

CLIENTE : Calle Elvira Mendez, Ed. Vallarino, Piso No. 3, Panama, Panama

A LA ATENCIÓN DE : Hector Centella

NO. DE

REFERENCIA : TRANSFERENCIA DE TANQUE

TANQUE : 3

DESCRIPCION : Composite After Inbound

ETIQUETA DE LA

MUESTRA/ID : 0183-2020

LOCALIZACIÓN : Telfer Tanks Inc - Panama

PRODUCTO : ULSD

MOVIMIENTO : Inbound

FECHA DEL

MUESTREO : 29-Feb-2020 05:30

FECHA DE RECIBIDO : 29-Feb-2020 11:00

FECHA DEL

ANÁLISIS : 29-Feb-2020

FECHA DEL

REPORTE : 29-Feb-2020

ESCRITO POR : Camin Cargo

		Resultados / Unidad			
Método	Descripción del análisis		Minimum	Maximum	Comentarios
NOTE : Lote: 0220LDO04.					
Volumen: 41,974.18 BBls netos.					
D 4052-11	API Gravity @ 60°F	37.1 °API	32.0		Pass
D 4176 (1)	Appearance	Clear & Bright		Clear & Bright	Pass
D 1500	ASTM Color	L1.0		2.5	Pass
D 93A	Flash Point	73.0 °C	60		Pass
D 97	Pour Point	<-21 °C			
D 445	Viscosity @ 40 °C	2.975 cSt	1.9	4.1	Pass
D 86-12	Distillation				
	10%	220.0 °C		Report	
	50%	276.0 °C			
	90%	331.0 °C	282	338	Pass
	Final Boiling Point (End Point)	356.0 °C		Report	
	Residue	0.5 Vol. %		2	Pass
	Loss	0.5 Vol. %		2	Pass
D 976	Cetane Index	52.6	45		Pass
D 2622	Sulfur	8.7 mg/kg		15	Pass
D 2622	Sulfur	0.0008 Wt. %			
D 482	Ash	0.001 Mass %		0.01	Pass
D 4530	Carbon Residue, Micro Carbon on 10% Bott.	<0.10 Mass %		0.3	Pass
D 130	Copper Corrosion @ 50 °C (3 hrs)	1a		2	Pass
D 2624	Electrical Conductivity	60 pS/m	25		Pass
EN 14078-A	Fatty Acid Methyl Esters (FAME)	<0.05 Vol. %		0.1	Pass
D 6079	Lubricity - HFRR				
	Wear Scar Diameter @ 60° C	410 microns		520	Pass



CERTIFICADO DE ANÁLISIS N° PAN-10705

COMPANÍA : Triton Energy of Panama, Corp.
DIRECCION DEL CLIENTE : Calle Elvira Mendez, Ed. Vallarino, Piso No. 3, Panama, Panama
A LA ATENCIÓN DE : Hector Centella
NO. DE REFERENCIA : TRANSFERENCIA DE TANQUE
TANQUE : 3
DESCRIPCION ETIQUETA DE LA MUESTRA/ID : **Compuesta después de la entrada**
: 0183-2020
LOCALIZACIÓN : Telfer Tanks Inc - Panama
PRODUCTO : ULSD

MOVIMIENTO : **Entrante**
FECHA DE MUESTREO : 29-Feb-2020 05:30
FECHA DE RECIBIDO : 29-Feb-2020 11:00
FECHA DE ANÁLISIS : 29-Feb-2020
FECHA DEL REPORTE : 29-Feb-2020
ESCRITO POR : Camin Cargo

Método	Descripción del análisis	Resultados / Unidad	Minimum	Maximum	Comentarios
NOTE : Lote: 0220LDO04. Volumen: 41,974.18BBls netos.					
D 2709	Sediment & Water	<0.010 Vol. %		0.05	Pass

The results apply to the samples as received and specifically to the items listed on this certificate.

Certified that this sample meets the relevant specification with respect to the above tests as noted.

The Pass/Fail as expressed within this document, represents the decision rule applied within client's limits request, these are deemed as pass if the value falls within the limits and as fail if the value falls outside the limits.

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Samples taken as per Standard Practice for Manual Sampling of Petroleum and Petroleum Products (ASTM D4057 / API MPMS Chapter 8.1) All testing is performed on premises by Camin Cargo Control and in accordance to the latest referenced test method unless specifically stated.

Boris Zorrilla / Laboratory Manager